

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/182004/050916

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G11B7/125

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 304 686 A (RICOH KK) 23 April 2003 (2003-04-23) paragraphs '0100! - '0108!, '0217! - '0250!; figures 4,6,19,23,24	1-6
A	EP 1 058 246 A (SAMSUNG ELECTRONICS CO LTD) 6 December 2000 (2000-12-06) the whole document	1-6
A	US 6 359 847 B1 (SHIMIZU TOSHIKI) 19 March 2002 (2002-03-19) abstract; figures 4,6,7	1-6

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\* & \* document member of the same patent family

Date of the actual completion of the international search

24 September 2004

Date of mailing of the international search report

01/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Moje, A

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/JP2004/050916

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1304686	A	23-04-2003	JP 2003132571 A	09-05-2003
			JP 2003132534 A	09-05-2003
			JP 2003141727 A	16-05-2003
			JP 2003142770 A	16-05-2003
			JP 2003141726 A	16-05-2003
			EP 1304686 A2	23-04-2003
			US 2003112732 A1	19-06-2003
			JP 2004005900 A	08-01-2004
EP 1058246	A	06-12-2000	KR 2000074716 A	15-12-2000
			CN 1274862 A	29-11-2000
			EP 1058246 A2	06-12-2000
			JP 2000339736 A	08-12-2000
US 6359847	B1	19-03-2002	JP 3552938 B2	11-08-2004
			JP 2000215451 A	04-08-2000